DIA Registry

File *Øↄⁿⁿⁿ 2 -2*

Comptroller
4E 42 Hqs

STATINTL
STATINTL
Jim:
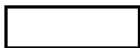
SAF-E009-77

DD/A Registry

3 February 1977

MEMORANDUM FOR THE RECORD

STATINTL   FROM   : [   ]

Chief, Special Projects Staff, ODP

SUBJECT: ADISS Status

1. I was advised on January 31 by [   ] of DIA   STATINTL
that Vice Admiral Inman had requested the RFP for ADISS re-
quirements definition and system design be withdrawn. This
RFP was issued from [   ] in December   STATINTL
with a bidders briefing by DIA personnel.

2. The reason given for this withdrawal was to allow
time to evaluate the position of ADISS within the defense
intelligence community. There is a feeling that DIA management
certainly is not willing to defend the ADISS project at the
congressional budget level at this time and will wait for
further guidance from DOD.

3. This turn of events will probably delay ADISS another
year. DIA and CIA will develop a management plan outlining
a mode of coordination wherein SAFE considers ADISS needs in
its development and DIA tracks SAFE development to determine
where it can capitalize on its results.

4. It is obvious at this point in time that it will be
even further in the future before direct cost impact of any
coordination can be discussed in meaningful terms and a
cost effect will certainly have to fall in the ADISS system
since SAFE could not capitalize on work that would not be
done for several years. By considering the ADISS require-
ment we might however steer the SAFE development to maximize
any benefit to ADISS while not compromising the SAFE require-
ment.

STATINTL

STATINTL   cc: Paul Walsh
C.D. May, Jr.
H. Eisenbeiss
[   ]
DIA File

DDA Distribution:
1 - Comptroller
1 - AD/DCI/IC
1 - DDA Subject

File _OFM___

SUBJECT: Comments on the DDI's 17 December 1976 Draft
           Memorandum to the DDCI on "SAFE"

A.   We agree with undertaking the proposed review of the
     SAFE Project at this time.

B.   We have difficulty understanding the DDI statement
     about having "some ill-defined responsibilities for
     the program." SAFE is a DDI inspired undertaking
     and the DDI is the leading element for Agency support
     to this program. All other Agency entities involved
     are only in a supportive role to the DDI on this
     matter. Furthermore, the responsibilities of the
     various organizations that are participating in the
     development program are spelled out in the SAFE
     Project Management Plan published in November 1975.

C.   The 8 questions proposed for study in paragraph 3 are
     both all encompassing and well stated.

D.   We further agree with the proposal put forward by the
     DDI in paragraph 4. We would expand that proposal as
     follows:

     1)   Consider the DDO also as a member of the
          Steering Group.

     2)   The Steering Group should be augmented by
          a "Working Group" composed of one
          representative each of the units on the

Steering Group. That Working Group will

undertake a study of 7 of the 8 questions.

The 7 questions involved logically fall

into a pattern for consideration by

members of the Working Group. In certain

cases an individual officer of the Working

Group should assume responsibility to

pursue the issue, using whatever assistance

he desires. In other cases, two components

will be directly involved and, accordingly,

two members of the Working Group should

work in concert on the matter. The matrix

of assignment would appear as follows:

<u>WORKING GROUP</u>

<u>DDI</u>	<u>DDO</u>	<u>DDA</u>	<u>DDS&T</u>	<u>COMPTROLLER</u>
a.				
b.	b.			
				c.
				d.
e.		e.		
f.		f.	f.	
		h.	h.	

At such time as the 7 questions, i.e., studies,

are completed the Working Group will review to

ensure compatibility of the studies, and then

formulate a recommendation to the Steering Group.

The Steering Group, upon receipt of the product

of the Working Group will acquaint themselves

with the matter involved. Following that, the

Technical Advisory Panel will be reconvened
to review the course of action considered
appropriate by the Steering Group and,
additionally, will specifically address
itself to Question g. Subsequent to that
meeting, the Steering Group will take its
position to present it to the Director,
if appropriate.

SECRET

17 December 1976

MEMORANDUM FOR: Deputy Director of Central Intelligence

FROM   : Sayre Stevens
                 Deputy Director for Intelligence

SUBJECT   : SAFE

1. I am left with a number of personal concerns about the
future of the SAFE program. These concerns are in no way critical
of the work that has been done on the program or of the people
involved in it, but are largely anxities that derive from the
importance of the project, its magnitude and technical risk, and
the funding situation in which we find ourself. Since I have some
ill-defined responsibilities for the program--at least to the
extent that the money for it is a part of the DDI budget--I am
proposing that a review of a number of issues be undertaken.

2. We are relying heavily on SAFE to be the mechanism by
which we handle a whole range of problems that are emerging in
handling, routing, storage, and disposal of huge numbers of
documents. We must in some way solve those problems. The
visibility of SAFE to OMB and within the Congress has been high.
If we come a cropper on the program, we will suffer both from the
embarrassment of our failure and the delay in our ability to solve
important problems.

3. A number of issues have been raised by various participants or observers of the SAFE project. The following are at least some that deserve our attention:

    a. Is the requirement such that we must act on it now? *DD/I*

    b. Do the requirements adequately consider the needs of the DDO? *? DD/I + DD'G coordination*

STATINTL

    c. Is the ⬚ program approved in principle *comp.* by the Appropriations Committee a truly hard limit on what we can spend?

    d. Is the OMB cut in FY 1978 funds for SAFE prophetic? *— comp*

    e. What kind of a system should we design that will account for cost growth over the length of the effort if *DD/I + ODP /*

STATINTL   we are to stay within the ⬚ limit?

    f. Can a project office within the CIA do the job of integrating and directing segment contractors in view of other demands and Government manning inflexibility?

    g. Is technology developing in such a way that this is an inappropriate time to lock ourselves into a system that must serve us for decades in the future? *REVISED Technical Advisory Panel*

h. Finally, how can we engage the large software program experience of the DDS&T in the project?

4. I propose that a steering group be established consisting of the DDA, the DDI, the DDS&T, and the Comptroller to consider these issues and any others which deserve attention, to undertake whatever study or review is necessary and to report back to the CFI on the matter in the fairly near future.

<div align="center">Sayre Stevens</div>

cc: DDA
     DDS&T
     Comptroller

79-0095

ODP 049-77
6 January 1977

MEMORANDUM FOR: Deputy Director for Administration

FROM   : Clifford D. May, Jr.
                 Director of Data Processing

SUBJECT   : Draft DDI Memo on SAFE

Jack:

     Sorry I didn't get back to you sooner--It's been a busy
day.

     Aside from the penciled notes on your paper (attached),
I have three concerns:

          a.   I can see the DDA/DDS&T study of question
     f., developing into a donnybrook. There is no way to
     avoid getting into a battle over their opinions vs. our
     opinions. I have personally been a part of a successful
     Government project office which operated in the manner
     we are proposing. It can work if we are determined to
     make it work. However, if we can expect a continuing
     buildup of government people who are questioning,
     challenging, advising and interfering with the project
     office, we would probably be better off to go out on a
     turnkey contract, if we can afford this approach. I am
     not looking forward to having DDS&T involved in this
     question but I can't offer a reasonable out. I do think
     that DDI also should participate because they were a party
     to the decision to do it the way we propose.

          b.   I do not understand why the DDI wants to "report
     to the CFI on the matter in the fairly near future." None
     of the issues he has raised appear to stem from any CFI
     questions or actions. Why invite interest from the CFI
     when most of the issues are internal to CIA? However,
     I can see the logic in the Comptroller consulting the CFI
     in dealing with questions c., and d.

d.   There is another issue which is not mentioned but is probably one of my sources of greatest concern:

"How far is the Agency willing to go in undertaking a joint development effort with DIA and might this lead to a community solution which is unacceptable to CIA?"
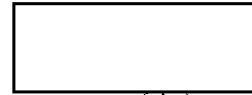
STATINTL

Clifford D./May, Jr.

Att

Distribution:
Orig & 1 - Addressee
      1 - ODP Registry
      2 - O/D/ODP

DD/A Registry

77-6132

DD/A Registry

File _O+M 2-2_

ODP 051-77
7 January 1977

MEMORANDUM FOR: Deputy Director for Administration

FROM : Clifford D. May, Jr.
Director of Data Processing

SUBJECT : Backup for 10 January Meeting

Jack:

Attached is the backup material you asked for in support of the 10 January meeting with the DDI and DDS&T.

STATINTL

Clifford D. May, Jr.

Attachments: SAFE Contracting Alternatives - pros/and cons
List of MZ Careerists assigned to DDS&T

Distribution:
Orig & 1 - Addressee
1 - ODP Registry
2 - O/D/ODP

6 January 1977

SAFE CONTRACTING ALTERNATIVES

There were four major alternatives investigated to contract the development of the SAFE System as follows:

I.   Develop firm specifications and negotiate (after competitive procurement) a contract for a turnkey development by a prime contractor.

  Pro. -   Minimum use of government personnel.
       -   Maximum leverage to resolve problems.
       -   Responsibility readily established.

  Con. -   Minimum flexibility if needs change (they will).
       -   Locked in to one vendor - all eggs in one basket.
       -   Control of development is delegated.
       -   Schedule and budget control can get lost.
       -   Systems will become less modular in development.
       -   Problems which do occur will be difficult to remedy.
       -   Contract would have to be re-negotiated as needs change through experience - needs are not that well known.
       -   Such large turnkey systems have an unpleasant history of delays, over-runs and (critically) severely compromised performance.

II. Hold a competition for design of the system (i.e., award 3-5 design study contracts) and separately award a turnkey development contract for the successful design.

  Pro. -   Opportunity to select from design alternative and refine design prior to implementation.
       -   Can use different design and development contractors.
       -   Good assurance of design against requirements.

  Con. -   Time-consuming. Estimated to require 6 months to a year due to multiple contracting cycles and dead time during evaluation.
       -   Costly - multiple design efforts and some redundancy inevitably needed.

III. Develop the system design in-house (with contractor support) and contract for major elements of the system. Integration can be in-house effort or separately contracted.

    Pro. - Can adapt to changing needs of the user.
          - Maintain control of development.
          - One element may get into trouble and not effect others - isolation of problems.
          - Retain flexibility to adapt to budget variations.
          - Retain generality of application.
          - Can take advantage of new developments in technology.

    Con. - Maximum use of Agency personnel.
          - Improper functional definition can cause interface problems.
          - Staffing is a problem.
          - System interfaces can effect overall performance.
          - Hardware selected may limit bidders on software.

IV. Total Agency software/system development using commercially available hardware.

    Pro. - Total control of project.
          - Can change course if necessary.
          - Minimum cost.

    Con. - Can't staff it - requires over 100 people.
          - Too easy to change direction.
          - Susceptible to interference on continuing basis.

    Major considerations in selecting the proper variant of the above are:

    1. Probability of success.
    2. Recovery from problems in development.
    3. Budget.
    4. Accommodation of inevitable change.
    5. Time.
    6. Control.
    7. Resources.

    The method initially selected was a variant of II in which design contracts were let and, when the winner was selected, hardware and software were contracted as two contracts with the software contractor responsible for integration. This approach was modified when FY-76 funding did not materialize and it was necessary to compress schedules. Further, investigations had shown that the system could be made up of relatively independent modules.

Expansion of Interim SAFE was discarded since no way could be found to accommodate the volume of users, files and increased applications in that architecture.
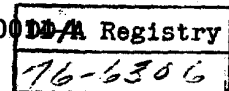
Next 16 Page(s) In Document Exempt

17 December 1976

MEMORANDUM FOR: Deputy Director of Central Intelligence

FROM   : Sayre Stevens
                Deputy Director for Intelligence

SUBJECT   : SAFE

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2. We are relying heavily on SAFE to be the mechanism by
which we handle a whole range of problems that are emerging in
handling, routing, storage, and disposal of huge numbers of
documents. We must in some way solve those problems. The
visibility of SAFE to OMB and within the Congress has been high.
If we come a cropper on the program, we will suffer both from the
embarrassment of our failure and the delay in our ability to solve
important problems.

3.   A number of issues have been raised by various participants
or observers of the SAFE project.   The following are at least some
that deserve our attention:

   a.   Is the requirement such that we must act on it
now?   *DD/I*

   b.   Do the requirements adequately consider the   ? *DD/I ›ᴅᴅ/ᴏ*
needs of the DDO?   *cᴏᴏʀᴅɪɴᴀᴛɪᴏ ᵁ*

25X1A   c.   Is the[   ]program approved in principle   *cᴏɴʀ.*
by the Appropriations Committee a truly hard limit on what
we can spend?

   d.   Is the OMB cut in FY 1978 funds for SAFE prophetic?   _ *cᴏɴ ᵀ*

   e.   What kind of a system should we design that will
account for cost growth over the length of the effort if   *DD/I ʟ ᴏ ᴅᴘ*
25X1A   we are to stay within the[   ]imit?

   f.   Can a project office within the CIA do the job
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of other demands and Government manning inflexibility?

   g.   Is technology developing in such a way that this   *ʀᴇᴠɪsᴇᴅ*
is an inappropriate time to lock ourselves into a system   *ᴛᴇᴄʜɴɪᴄᴀʟ*
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                                                           ᴘᴀɴᴇʟ

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program experience of the DDS&T in the project?

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of the DDA, the DDI, the DDS&T, and the Comptroller to consider these
issues and any others which deserve attention, to undertake whatever
study or review is necessary and to report back to the CFI on the
matter in the fairly near future.

Sayre Stevens

cc: DDA
     DDS&T
     Comptroller

SECRET

DD/A Registry

76 5563

DD/A Registry
File C+M 2-2

5 NOV 1976

Mr. Edward M. Kidwell, Director
Space Management Division
Office of Operating Programs
General Services Administration
Washington, D.C. 20405

Dear Mr. Kidwell:

25X1A

was to eliminate serious overcrowding in our Headquarters Building,
permit the consolidation of certain Agency components which are widely
dispersed in the Metropolitan Washington area, and meet the require-
ments of new projects which were then anticipated. Certain of these
projects have now become critical, necessitating the immediate acqui-
sition of a portion of the subject space. This letter describes these
projects and provides the necessary justification for acquisition of
this space in the Northrop Page Building.

Congress has recently approved and funded in fiscal year 1977
the implementation of Project SAFE within our Headquarters Building.
In order to implement Project SAFE and an associated supporting proj-
ect, ADSTAR, it will be necessary to immediately acquire approximately

25X1A

of space outside of the Headquarters Building for
occupancy by personnel who will be displaced by these systems. Proj-
ect SAFE is a critical intelligence system which provides advanced
data processing techniques for the manipulation and analysis of raw
intelligence data. Project ADSTAR provides automated document storage
and retrieval in support of Project SAFE. The technical nature of
both systems is such that in order to meet their critical power and
HVAC requirements, they must be located in a specific area of the
Headquarters Building. Since no excess space exists within the Build-
ing, personnel occupying the selected areas must be relocated to space
external to the Headquarters Building. Moreover, the operational date
for these systems is such that these personnel must be relocated imme-
diately.

25X1

25X1A

Next 1 Page(s) In Document Exempt

Washington. D.C. 20505

MEMORANDUM FOR: Director, Defense Intelligence Agency

SUBJECT   :   Coordination of the Development of
                       the DIA ADISS and CIA SAFE Systems

REFERENCE   :   Your Memorandum dated 20 October 1976,
                       U-2630/RSO-1B

     1.   The DCI has asked that I respond to your memo-
randum concerning the SAFE/DIAOLS programs. I agree that
we should devote considerable effort to helping promote
the success of these systems and any economies or other
advantages closer cooperation might create.

STATINTL   2.   As you know, [   ] will be studying
these programs for CIA to attempt to identify any areas of
commonality between the systems. I have asked my Associate
Deputy Director for Intelligence, [   ], to   STATINTL
oversee the CIA program and to work with Admiral Inman in
these programs. I understand Paul already has been in touch
with Bobby.

     3.   I believe that our two Agencies should report any
significant changes in the development of these programs to
the DCI and the Intelligence Community Staff so as to serve
their requirement for reporting to the CFI and congressional
elements on these matters.

                              E. H. Knoche

Approved For Release 2002/07/03 : CIA-RDP80-00473A000400030014-4

Washington, D.C. 20505

MEMORANDUM FOR: Director, Defense Intelligence Agency

SUBJECT   : Coordination of the Development of
                    the DIA ADISS and CIA SAFE Systems

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these programs. I understand Paul already has been in touch
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        3.   I believe that our two Agencies should report any
significant changes in the development of these programs to
the DCI and the Intelligence Community Staff so as to serve
their requirement for reporting to the CFI and congressional
elements on these matters.

                        E. H. Knoche

DEFENSE INTELLIGENCE AGENCY
WASHINGTON. D.C. 20301

Executive Registry

76-10131/5

DD/A Registry

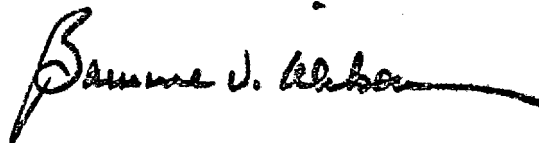76-5280

2 0 OCT 1976

DB/A Registry
File O+M 2-2

U-2630/RSO-1B

MEMORANDUM FOR THE DIRECTOR OF CENTRAL INTELLIGENCE

SUBJECT: Coordination of the Development of the DIA ADISS and
           CIA SAFE Systems

1.   As you are aware, the Congressional Conference Report on the
FY 1977 Defense Appropriations Bill approved fiscal support for the
DIA "Advanced Intelligence Support System" (ADISS) (referred to in
the report as DIAOLS) and the CIA "Support for the Analysts File
Environment" (SAFE) projects with the proviso that the DIA and the
CIA will develop comparable analyst information systems with the
maximum possible commonality.

2.   Our ADISS/SAFE project staffs met on 12 October for an explora-
tory meeting on this subject. Subsequent meetings are planned.

3.   While our technical staffs proceed, I feel it essential that an
aggressive and thorough effort be made to focus top level management
attention on this joint venture. To insure we do our part in coming
to grips with this issue, I have designated Vice Admiral Bobby B. Inman
to keep close watch over progress in this area. I would recommend that
you appoint a counterpart with whom he can work on this matter.

4.   Although these actions may require formalization in the future,
the efforts outlined above should assist us in rapidly coming to
grips with this important issue. This joint venture should also
permit us to optimize the benefits from both projects, at least cost,
and comply with the intent of the congressional guidance provided.

Samuel V. Wilson
Lieutenant General, USA
Director

Approved For Release 2002/07/03 : CIA-RDP80-00473A000400030014-4 - 5 406

DIAOLS-SAFE

Issue Statement: Will Congressional directives for DIA's DIAOLS
                  follow-on and CIA's SAFE be met?

Agency Position

    CIA believes that it and DIA have been responsive to the
Congressional directive by initiating a continuing dialogue for
the exchange of information and coordination. These actions will
produce savings in the long term if such savings are feasible.
CIA emphasizes that until ADISS is defined by DIA it will be
impossible to establish areas of commonality and determine which
parts of ADISS can benefit from the work which has been accom-
plished on SAFE. It is confident, however, that when the budget
goes to Congress it will be possible to demonstrate that DIA
and CIA are effectively working together to meet the Congressional
directive. CIA emphasizes also that the SAFE project was approved
by both OMB and Congress for FY 1977 as a five-year developmental
effort and that work is already well underway.

DIAOLS-SAFE

ISSUE STATEMENT: Will Congressional directives for DIA's DIAOLS
follow-on and CIA's SAFE be met?

DISCUSSION:

The Congressional Conference letter on the FY 77 NFIP appropriation
adopted the HAC directive that DIA and CIA develop comparable analyst
information systems with the maximum possible commonality. (Both HAC
and Conference letters identified the DIA system as DIAOLS. In fact,
the directive applies to the Advanced Defense Intelligence Support
System (ADISS), which will replace DIAOLS.)

ADISS and SAFE project staffs met on 12 October to start preliminary
review of similarities between the two systems. A second meeting is
scheduled for 3 November, at which time definitive coverage of actions
will be established.

System specifications and design for ADISS should be complete
during April-June 1977; for SAFE during July-September 1977. Based on
this schedule, a joint DIA-CIA position on common user requirements
could be completed by 1 July 1977; common hardware, software and tele-
communications requirements could be identified by 1 September 1977.

OASD(I) and the IC Staff believe that both DIA and CIA have delayed
too long in coming to grips with this problem. They believe further that
the timetable will not produce positive results soon enough to satisfy the
HAC. They have agreed to first-round PBD cuts for DIA's ADISS based on
the assumption that savings will be realized through joint ADISS-SAFE
development coordination. They believe that both DIA and CIA should be
directed to speed up the coordination process so as to be in a position
to demonstrate positive progress and identify savings during FY 78
Congressional reviews.

OMB believes all FY 78 funds for ADISS and SAFE should be deleted.
Funding decisions for FY 79 and beyond should be made following review
of completed plans specifying common user requirements, and common
requirements for hardware, software and telecommunications.

DIA believes that positive action has been initiated with CIA to
comply with the Congressional directive and considers the matter of
utmost concern. The Director has formally designated VADM Inman to
work with CIA on the matter. Further, DIA emphasizes that the Congressional
directive will be complied with in sufficient time for Congressional
justification. DIA recommends approval of the budget estimate level
for ADISS.

Next 1 Page(s) In Document Exempt

CENTRAL INTELLIGENCE AGENCY
WASHINGTON, D.C. 20505
19 October 1976

DD/A Registry

FILE _0 +M 2-2_

Lt. General Samuel V. Wilson, USA
Director
Defense Intelligence Agency
Washington, D.C. 20301

Dear Sam:

STATINTL

In the report of the Congressional Conference Committee on the FY-77 Defense Appropriations Bill, dated 3 September 1976, the conferees encouraged joint coordination of development activities on the DIA DIAOLS Program and the CIA SAFE Program. In response to this direction, I have asked Mr. [   ] the SAFE Project Manager, to conduct a careful analysis of the DIAOLS/SAFE Programs to identify any areas of commonality which might be candidates for coordinated development. He has established contact with [   ] STATINTL Jr. of your RSO-1B organization, and exchanged informal information on these two programs.

STATINTL

Based on a preliminary examination of the information we have available, it does not appear likely that opportunities for joint development will emerge. However, I want to be sure that we have thoroughly explored this question jointly with your office. In this connection, I am designating [   ] as my representative, and I would appreciate your designating a senior DIA representative who could work with him on this analysis. I visualize that the joint efforts of our representatives will result in a mutually agreed upon course of action which can form the basis for our future responses to Congress on this matter.

It has been requested that the Intelligence Community Staff be kept informed regarding the CIA response to the Conference Committee Report and I, therefore, have forwarded them a copy of this letter.

I would appreciate your early comments on the plan outlined above.

Sincerely,

/S/ John

John F. Blake
Deputy Director
for
Administration

cc: D/DCI/IC

CENTRAL INTELLIGENCE AGENCY
WASHINGTON, D.C. 20505   ~~~A '16 - 5/92~~

Lt. ~~Gen. Eugene F. Tighe,~~ Jr. *Kt/Gen Samuel V. Wilson, USA*
Director
Defense Intelligence Agency
Washington, D. C. 20301

Dear ~~General Tighe:~~ *Sam.*

STATINTL

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sponses to Congress on this matter.

    I have been asked to keep the Intelligence Community
Staff informed regarding the CIA response to the Conference
Committee Report and, therefore, have forwarded them a copy
of this letter.

    I would appreciate your early comments on the plan out-
lined above.

                              Sincerely,

                              E. H. Knoche
                              Deputy Director

cc: D/DCI/IC

MEMORANDUM FOR: D/CRS

1. The attached pages are copied from the
Congressional Conference Committee on the FY 1977
Defense Appropriations Bill dated 3 September 1976.
No other information on SAFE was included in the report.

2. Note that the FY 1978 budget justifications
for SAFE--due to Comptroller in January--must contain
"explanations of what has been done to comply with the
Congressional directive mandating joint (with DIAOLS)
development and procurement and maximum commonality."

STATINTL

Executive Officer
Directorate of Intelligence

Date   13 Sep 1976

FORM 101 USE PREVIOUS
5-75   EDITIONS

The conference agreement includes [   ] for initial research STATINTL

and development on the DIAOLS computer system of the Defense Intelligence

Agency as proposed by the Senate instead of no funds as proposed by the

House. Since DIAOLS is an information system to support analysts and is

similar in purpose to the SAFE system being developed for analysts in

the Central Intelligence Agency, the conferees agreed to restoration of

the $.8 million for the DIAOLS system with the proviso that the DIA

and the CIA will develop comparable analyst information systems with the

maximum possible commonality. This joint development program should

facilitate the maximum interchange of intelligence information between

the two agencies and should minimize development and procurement costs.

The possible economies of a joint procurement should be fully explored.

In 1978 and future years, the justifications for the DIAOLS and SAFE

systems should include explanations of what has been done to comply with

the Congressional directive mandating joint development and procurement

and maximum commonality. The conferees agreed to reductions in both the

SAFE and DIAOLS systems in order to allow time for this joint coordination

ILLEGIB

and development, and to emphasize that economical systems should be

produced by both agencies,

DDA 76-4923

1 October 1976

MEMORANDUM FOR: Deputy Director of Central
                Intelligence

FROM   : Michael J. Malanick
                 Acting Deputy Director for
                 Administration

REFERENCE   : Memo dtd 28 Sep 76 to DDA and DDI fr DDCI,
                 subj: Request for Preparation of a
                 Joint Response to the Problem of Joint
                 Development and Maximum Commonality of
                 the DIAOLS and SAFE Computer Systems
                 as Directed in the Conference Committee
                 Letter (ER 76-10131)

        Hank:

    With regard to referent memorandum, I believe Jack's

memorandum of 24 September 1976 (attached) should take

care of your request. If it doesn't, please let me know.

                                                              STATINTL

                    Michael J. Malanick

Att:
   Memo dtd 24 Sep 76 to
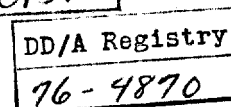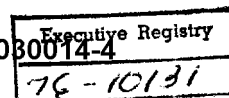   D/DCI/IC fr DDA, subj:
   CIA Plan for SAFE/DIAOLS
   Coordination

Distribution:
   Original - DDCI w/Att (DDA 76-4788 and DDA 76-4421)
          1 - ER w/Att
          1 - DDI w/Att
          1 - Comptroller
          1 - D/DCI/IC
          1 - D/DP w/Ref (DDA 76-4870)
          1 - DDA Subject w/Ref and Atts + background
          1 - DDA Chrono
          1 - MJM Chrono
ADDA:MJMalanick:kmg (1 Oct 76)

SECRET

Executive Registry

76 - 10/31

2 8 SEP 1976

DD/A Registry

76 - 4870

MEMORANDUM FOR: Deputy Director for Administration
                Deputy Director for Intelligence

SUBJECT   : Request for Preparation of a Joint Response to the
                  Problem of Joint Development and Maximum Commonality
                  of the DIAOLS and SAFE Computer Systems as Directed
                  in the Conference Committee Letter

     1. The Conference Managers for the FY 1977 Defense Appropriations
Bill in a letter to the Chairman of the Committee on Foreign Intelligence
and the Director of the Office of Management and Budget have included
the following statement relative to the DIAOLS and SAFE computer systems:

> "The conference agreement includes $.8 million for
> initial research and development on the DIAOLS
> computer system of the Defense Intelligence Agency
> as proposed by the Senate instead of no funds as
> proposed by the House. Since DIAOLS is an information
> system to support analysts and is similar in purpose to
> the SAFE system being developed for analysts in the
> Central Intelligence Agency, the conferees agreed
> to restoration of the $.8 million for the DIAOLS
> system with the proviso that the DIA and the CIA will
> develop comparable analyst information systems
> with the maximum possible commonality. This joint
> development program should facilitate the maximum
> interchange of intelligence information between the
> two agencies and should minimize development and
> procurement costs. The possible economies of a
> joint procurement should be fully explored.
> In 1978 and future years, the justifications for
> the DIAOLS and SAFE systems should include expla-
> nations of what has been done to comply with the
> Congressional Directive mandating joint development
> and procurement and maximum commonality. The conferees
> agreed to reductions in both the SAFE and DIAOLS
> systems in order to allow time for this joint
> coordination and development, and to emphasize that
> economical systems should be procured by both agencies.
> (pp 34-35)."

     2. An essential step would seem to be to examine the degree
of similarity and the feasibility and potential for not only joint

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development but also commonality. With this information in hand, judgments can be made regarding security and other factors and a response to the Congressional oversight committees can be developed. The DDI and DDA are, therefore, requested to prepare a joint response back to the DDCI, coordinated with the Comptroller.

3. In considering how best to get at this problem rapidly, you may want to consider giving Danny May the overall responsibility of conducting the review and pulling together the response, assisted by Harry Eisenbeiss and others as necessary and appropriate. Someone from the Comptroller's office might be helpful as well. I think it is important to appoint one individual as the focal point so the Agency philosophically, and technically is speaking with one voice as we enter the OMB and Congressional intramurals.

4. As always, there is a sense of urgency. I would like to have the results of the review and a coordinated response by 1 January 1977. I will need this prior to our Congressional budget sessions in any event, but would like to use this effort to bring the ADP issue in front of the EAG if the situation and circumstances at the beginning of the year permit.

STATINTL

E. H. Knoche

Deputy Director of Central Intelligence

cc: D/DCI/IC
    Comptroller

Administrative - Internal Use Only

DDA 76-4788

24 September 1976

MEMORANDUM FOR: Deputy to the DCI for the Intelligence
Community

FROM   : John F. Blake
                 Deputy Director for Administration

SUBJECT   : CIA Plan for SAFE/DIAOLS Coordination

REFERENCE   : Memo (DCI/IC 76-0159) to EO-DDA fr
                 AD/DCI/IC, dtd 1 September 1976,
                 Subject: SAFE

We believe the attached plan which discloses how
we propose to coordinate with the Defense Intelligence
Agency on the SAFE/DIAOLS problem is a most satisfactory
reply to the reference.

/s/ John F. Blake

John F. Blake

Attachment

Distribution:
  Original - D/DCI/IC w/Orig Att
         1 - Comptroller w/Att
         1 - D/CRS w/Att
         1 - D/DP w/Att

         1 - DDA Subject w/att & ref (DDA 76-4421)
         1 - DDA Chrono w/att & w/o ref
         1 - JFB Chrono w/o Att & Ref

DDA:JFBlake:der (24 September 1976)

Administrative - Internal Use Only

23 September 1976

CIA Plan for SAFE/DIAOLS Coordination

The Agency, in compliance with guidance given by the Congressional Conference Committee on the FY-77 Defense Appropriations Bill, will investigate with the DIA the degree of commonality in the DIAOLS/ADISS and SAFE system functional objectives. The purpose is to determine what areas might be subject to joint development or commonality of hardware or software, and to develop a plan for future coordinated development of these two projects.

To accomplish this end, the following action will be taken:

1.   Special Projects Staff (SPS), ODP, and Systems Analysis Staff (SAS), CRS, will analyze available information on the DIAOLS/ADISS plan and attempt a mapping of requirements into SAFE requirements. Initial comparison to be completed 27 September 1976.

2.   An initial list of similar functions and common concerns identified in the above preliminary analysis will be drawn up for review by D/OPD, D/CRS, C/SAS/CRS, and C/SPS/ODP by 4 October 1976.

STATINTL   3.   [   ] of DIA, the DIAOLS/ADISS project manager, will be contacted by C/SPS for a visit by C/SPS, C/SAS to review our preliminary analysis and to exchange briefings on DIAOLS/ADISS and SAFE. Any other available documentation on DIAOLS/ADISS will be obtained at this time. Visit is scheduled during the week of 11 October 1976.

STATINTL   4.   DIA [   ] will be asked for their analysis of common elements with the objective of producing a DIA preliminary list of candidate functions for future coordination or joint development by 18 October 1976.

5.   DIA and CIA (proper level to be decided during week of 11 October) will then meet to discuss what joint studies, projects, or other joint actions might be undertaken, along with projected savings, if any. Unresolved issues that may develop between DIA and CIA

during these discussions will be referred to the Deputy Director for the Intelligence Community Staff for resolution. A jointly (CIA/DIA) developed approach will evolve from this process which will be approved by the DDCI/CIA and the D/DIA. Target - 15 November 1976. The agreed approach for coordination of the two projects will be reported by CIA and DIA, as appropriate, in future budget hearings on SAFE and DIAOLS. The Intelligence Community Staff will be provided with periodic (initially monthly) status reports on the CIA/DIA coordination efforts.

6. Depending upon the nature of common projects found, methods of managing and funding these projects must be worked out between DIA and CIA.

THE DIRECTOR OF CENTRAL INTELLIGENCE

WASHINGTON, D. C. 20505

Intelligence Community Staff

DCI/IC 76-0159

1 September 1976

MEMORANDUM FOR: Executive Officer to the DDA

FROM   : John N. McMahon
                 Associate Deputy to the DCI for the
                 Intelligence Community

SUBJECT   : SAFE

Bob:

Re your question the other day on SAFE:

STATINTL

On 25 August 1976 [   ] STATINTL
[   ] Chief, Document Services Group, CRS/CIA, and with the CIA
member of the Information Handling Committee, [   ] Office
of the Comptroller. Also present was Bill Berry, the State mem-
ber of the IHC.   STAT

The purpose of the meeting was to brainstorm the large CFI
issue entitled Community Information Handling System, and to let
State and CIA know that the IHC was charged to undertake a sizeable
study on the issue. Specifically, they explored whether the parti-
cular issue raised in the CFI by State was a good vehicle to get
into the larger subject. (State proposed looking at the feasibility
of a community centralized mechanism for disseminating and indexing
of some important types of intelligence communications, such as
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hence be a useful starting point. Additionally [   ] STATINTL
that CRS must anticipate that there would be continuing community
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of SAFE. While [   ] sympathized with the desire of CRS and CIA to
solve its own problem, DoD and CFI inquiries would have to be re-
sponded to, and, in any event, SAFE represents an important major
part of any total community information handling system.

STATINTL

[   ] initial view is as follows:

        a. He does not perceive any practical utility in trying
to design such a system as SAFE to directly serve other agen-
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into the feasibility of INR being brought into SAFE, at
least for planning the system.

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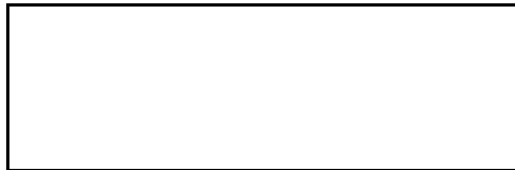in the direction of planning a community capability.

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d. Hence, the IC Staff and the IHC must be prepared to
look at the SAFE plan in a total Community context, and the
SAFE planners must be prepared--as any other project manager--
to present and justify their proposals in the budget and to
the CFI as the program/budget review authority.

CRS is briefing the Information Handling Division in detail on
SAFE on 2 September. Admiral Murphy has also requested same; [ ] STATINTL
will arrange.

STATINTL

THE DIRECTOR OF CENTRAL INTELLIGENCE

WASHINGTON, D. C. 20505

Intelligence Community Staff

DCI/IC 76-0159

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STATINTL

John N. McMahon

- 2 -

DOA 76-4747

21 September 1976

CIA Plan for SAFE/DIAOLS Coordination

The Agency, in compliance with guidance given by the Congressional Conference Committee on the FY-77 Defense Appropriations Bill, will investigate with the DIA the degree of commonality in the DIAOLS/ADISS and SAFE system functional objectives. The purpose is to determine what areas might be subject to joint development or commonality of hardware or software, and to develop a plan for future coordinated development of these two projects.

To accomplish this end, the following action will be taken:

1. Special Project Staff (SPS), ODP, will obtain all available information on the DIAOLS/ADISS plan and attempt a mapping of requirements into SAFE requirements. Initial comparison to be completed 27 September 1976.

2. A list of similar functions and common concerns will be drawn up for review by D/ODP, D/CRS, C/SAS/CRS, and C/SPS. 27 September 1976

STATINTL   3. [ ] of DIA, the DIAOLS/ADISS project manager, will be contacted by C/SPS for a visit by C/SPS, C/SAS to review our analysis and to receive a briefing on DIAOLS/ADISS. Call 23 September for a visit the week of 27 September.

STATINTL   4. DIA [ ] will be asked for their analysis of common elements with the objective of produc-

ing a list of candidate functions for further coordination or joint development. 8 October.

5. DIA and CIA (proper level to be decided by week of 27 September) will meet to define what joint studies, projects, or other joint actions are planned, along with projected saving, if any. Issues that may develop between DIA and CIA during development of this plan will be referred to the Deputy Director for the Intelligence Community Staff for resolution. A jointly (CIA/DIA) developed plan will evolve from this process which will be approved by the DDCI/CIA and the D/DIA. The contents of the plan and its progress in implementation will be reported by CIA and DIA, as appropriate, in future budget hearings on SAFE and DIAOLS.

6. Depending upon the nature of common projects found, methods of managing and funding these projects must be worked out with DIA.

DDA 76-4923

1 October 1976

MEMORANDUM FOR: Deputy Director of Central
                 Intelligence
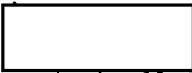
FROM   : Michael J. Malanick
            Acting Deputy Director for
            Administration

REFERENCE   : Memo dtd 28 Sep 76 to DDA and DDI fr DDCI,
            subj: Request for Preparation of a
            Joint Response to the Problem of Joint
            Development and Maximum Commonality of
            the DIAOLS and SAFE Computer Systems
            as Directed in the Conference Committee
            Letter (ER 76-10131)

       Hank:

    With regard to referent memorandum, I believe Jack's memorandum of 24 September 1976 (attached) should take care of your request. If it doesn't, please let me know.

STATINTL

Michael J. Malanick

Att:
  Memo dtd 24 Sep 76 to
  D/DCI/IC fr DDA, subj:
  CIA Plan for SAFE/DIAOLS
  Coordination

Distribution:
  Original - DDCI w/Att
       1 - ER w/Att
       1 - DDI w/Att
       1 - Comptroller
       1 - D/DCI/IC
       1 - D/DP w/Ref

DDA 76-4788

24 September 1976

MEMORANDUM FOR: Deputy to the DCI for the Intelligence
                     Community

FROM   :   John F. Blake
                   Deputy Director for Administration

SUBJECT   :   CIA Plan for SAFE/DIAOLS Coordination

REFERENCE   :   Memo (DCI/IC 76-0159) to EO-DDA fr
                   AD/DCI/IC, dtd 1 September 1976,
                   Subject: SAFE

We believe the attached plan which discloses how
we propose to coordinate with the Defense Intelligence
Agency on the SAFE/DIAOLS problem is a most satisfactory
reply to the reference.

/s/ John F. Blake

John F. Blake

Attachment

Distribution:
   Original - D/DCI/IC w/Orig Att
         1 - Comptroller w/Att
         1 - D/CRS w/Att
         1 - D/DP w/Att

   1 - DDA Subject w/att & ref (DDA 76-4421)
   1 - DDA Chrono w/att & w/o ref
   1 - JFB Chrono w/o Att & Ref

DDA:JFBlake:der (24 September 1976)

23 September 1976

CIA Plan for SAFE/DIAOLS Coordination

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STATINTL

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The agreed approach for coordination of the two proj-
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76 - 4421

THE DIRECTOR OF CENTRAL INTELLIGENCE

WASHINGTON, D. C. 20505

Intelligence Community Staff

DCI/IC 76-0159

1 September 1976

MEMORANDUM FOR: Executive Officer to the DDA

FROM   : John N. McMahon
                   Associate Deputy to the DCI for the
                   Intelligence Community

SUBJECT   : SAFE

Bob:

Re your question the other day on SAFE:

STATINTL

On 25 August 1976, [   ] Chief, Document Services Group, CRS/CIA, and with the CIA member of the Information Handling Committee, [   ] Office of the Comptroller. Also present was Bill Berry, the State member of the IHC.

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CRS is briefing the Information Handling Division in detail on SAFE on 2 September. Admiral Murphy has also requested same; ⬚ will arrange.

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- 2 -

Next 1 Page(s) In Document Exempt

GENERAL DEFENSE INTELLIGENCE PROGRAM - CENTRAL INTELLIGENCE AGENCY

DIAOLS-SAFE

ISSUE STATEMENT: Will Congressional directives for DIA's DIAOLS
follow-on and CIA's SAFE be met?

DISCUSSION:

The Congressional Conference letter on the FY 77 NFIP appropriation
adopted the HAC directive that DIA and CIA develop comparable analyst
information systmes with the maximum possible commonality. (Both HAC
and Conference letters identified the DIA system as DIAOLS. In fact,
the directive applies to the Advanced Defense Intelligence Support
System (ADISS), which will replace DIAOLS.)

ADISS and SAFE project staffs met on 12 October to start preliminary
review of similarities between the two systems. A second meeting is
scheduled for 16 November, with subsequent meetings at monthly intervals.

System specifications and design for ADISS should be complete
during April-June 1977; for SAFE during July-September 1977. Based on
this schedule, a joint DIA-CIA position on common user requirements
could be completed by 1 July 1977; common hardware, software and tele-
communications requirements could be identified by 1 September 1977.

During the meeting on 16 November, a joint DIA-CIA development plan
will be discussed. The target date for D/DIA and DDCI approval of this
plan is now 1 January 1977.

OASD(I) and the IC Staff believe that both DIA and CIA have delayed
too long in coming to grips with this problem. They believe further that
the timetable will not produce positive results soon enough to satisfy the
HAC. They have agreed to modest first-round PBD cuts for DIA's ADISS
based on the assumption that savings will be realized through joint
based on the assumption that savings will be realized through joint
ADISS-SAFE development coordination. They believe that both DIA and CIA
should be directed to speed up the coordination process so as to be in
a position to demonstrate positive progress and identify savings during
FY 78 Congressional reviews. Feb - oct

The NSC Staff believes

OMB believes

4066

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Next 4 Page(s) In Document Exempt

SAFE

   1.   What are the Agency's plans to work with DIA to explore SAFE/DIAOLS commonality and possible economies resulting from coordinated system development? In what areas are economies anticipated? What impact is expected with respect to the FY 1978 proposed costs?

   The attached plan outlines the Agency's initial actions for coordination with DIA. Contact has been made to define and understand the objectives of both systems and to identify similar functions for further analysis. It is too early to project results for this activity but they will be reported to the Intelligence Community Staff as noted in paragraph 5 of the plan.

STATINTL

   The actual contact in DIA is[   ]in RS-01 rather than STATINTL
[   ] as the Plans Staff rather than Project Management has responsibility for the DIAOLS enhancement plan at this time.

   Correspondence is being prepared from Mr. Knoche to Gen. Tighe to officially establish this liaison.

23 September 1976

CIA Plan for SAFE/DIAOLS Coordination

The Agency, in compliance with guidance given by the
Congressional Conference Committee on the FY-77 Defense Ap-
propriations Bill, will investigate with the DIA the degree
of commonality in the DIAOLS/ADISS and SAFE system func-
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Initial comparison to be completed 27 September 1976.

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for future coordination or joint development by 18
October 1976.

5. DIA and CIA (proper level to be decided dur-
ing week of 11 October) will then meet to discuss what
joint studies, projects, or other joint actions might
be undertaken, along with projected savings, if any.
Unresolved issues that may develop between DIA and CIA

during these discussions will be referred to the Deputy

tion. A jointly (CIA/DIA) developed approach will
evolve from this process which will be approved by the
DDCI/CIA and the D/DIA. Target - 15 November 1976.
The agreed approach for coordination of the two proj-
ects will be reported by CIA and DIA, as appropriate,
in future budget hearings on SAFE and DIAOLS. The
Intelligence Community Staff will be provided with
periodic (initially monthly) status reports on the
CIA/DIA coordination efforts.

6. Depending upon the nature of common projects
found, methods of managing and funding these projects
must be worked out between DIA and CIA.

2. *Provide full operational plan for SAFE, including activities, purchases and costs for FY 1977, FY 1978 and out-years.*

FY-1977

This year is the start-up phase of the project. The joint CRS/ODP Functional Requirements document, which defines the functions available to the users, will be finalized by 1 December. The panel of consultants used in the initial evaluation of the SAFE concepts will be reconstituted and asked to review the Functional Specifications and the initial design concepts. Their advice will be used in developing the system design and in evaluating techniques for use in key system functions. An industry briefing is planned for January 1977 to provide a common ground for potential contractors' understanding of the SAFE system and to provide an opportunity for companies to offer potential solutions to design problems. Contracts will be awarded as noted below for the analysis and design of all system functions. (See the attached table for yearly cost summaries.)

STATINTL

1. Contracts will be awarded for the analysis of data from interim SAFE to provide design guidance for the text search subsystem.

2. Contracts will be let for the analysis of requirements, sizing of system functions, preparation of bid packages, definition of network protocols and detail project planning. Awards will be made on a competitive basis though a small number of directed procurements may be necessary where unique expertise is required.

3. Space and facilities estimates will be prepared and funds allocated to GSA for procurement of long-lead items for utilities.

4. A contract will be let for the design of the communications subsystem to accommodate the full data and image trans-
   / mission requirement. The contract will include the acqui-
   sition of some hardware elements for testing purposes.

5. A contract will be let to study the design of the User Terminal Support subsystem and further refine the functional elements required by the user.

6. Directed procurements will be made for miscellaneous services such as PERT analysis, reliability modeling, and performance analysis. Also, it is anticipated that additional studies will be required as a result of the work in the above activities. These will be identified by early in the third quarter.

13 October 1976

-1-

During FY 1978, funds will be obligated for the procurement of the system hardware based on contractual and in-house analysis and for the award of developmental contracts for the software. The site requirements will be finalized and site preparation costs obligated to permit initial occupancy in late CY 1978. Procurement and contractual plans are noted below:

1. The environmental requirements will be defined and the site preparation contracted.

2. Software development contracts will be awarded for each major subsystem (Input Analysis, Text Search, Index Search, Document Storage and User Terminal Support). These awards will be competitive and will be based on the hardware selected in the procurement below.

3. A competitive procurement will result in the selection and ordering of initial components of the major computer system. These will include processors, peripherals and storage devices adequate to support system development work and will also include initial installation of the communications system.

4. Technical contracts as required to support the software development effort above.

FY-1979

Additional major processing elements and the necessary terminals and storage devices will be ordered in preparation for full scale integration and testing in FY 1980 and operations in FY 1981. Funds will be obligated in this year for the completion of the software and for initial system integration.

FY-1980

Storage and terminal units will be procured for initial operations and all elements of the system will be integrated and tested.

FY-1981

The system will become operational. Equipment, primarily terminals and storage devices, will be ordered to accommodate the full data base and additional users. Software costs will be primarily for maintenance and clean-up of routine problems uncovered in final testing.

TOTAL SAFE BUDGET PROJECTION

-2-

STATINTL

29 October 1976

The CIA believes that the CIA and DIA have been responsive
to the Congressional Conference Committee directive by exchang-
ing information on ADISS and SAFE, by establishing channels
for coordination, and by initiating a continuing dialogue.

It is noted that the comments in the DISCUSSION related
to ADISS are inconsistent with information made available to CIA
by DIA. It is our understanding that the $800,000 in the
DIA Fiscal 1977 program is for a study of DIA needs for
modernizing information handling systems that support Unified
and Specified Commands as well as DIA installations in
Washington. The DISCUSSION states that "system specifications
and design for ADISS should be completed during April-June 1977."
We do not believe this is possible because the study will be
conducted by a contractor and the RFP has not yet been issued.

With regard to SAFE, the DISCUSSION presents an over-
simplification of the SAFE schedule. The current schedule for
the specification and design phases of SAFE extends from
January 1977 through July 1979.

The DISCUSSION, consequently, overstates the ease with
which SAFE/ADISS coordination can be accomplished in the near
term. Basically, ADISS must be defined by DIA and the various
subsystems specified before conclusive coordination can be
effected. Until ADISS is defined, it will be impossible to
establish areas of commonality and determine which parts of
ADISS can benefit from the SAFE work.

The DISCUSSION states that "both DIA and CIA should be directed to speed up the coordination process and identify savings during FY 78 Congressional reviews." We note that the Congressional report does not so state. Instead, it requires "In 1978 and future years, the justifications for the DIAOLS and SAFE systems should include explanations of what has been done to comply with the Congressional directive mandating joint development and procurement and maximum commonality."

We believe that our actions to date are consistent with the Congressional directive and will produce the desired savings in the long term, if such savings are feasible. We believe that when the Budget goes to Congress, it will be possible to demonstrate that DIA and CIA are effectively working together to achieve Congressional objectives.

Approved For Release 2002/07/03 : CIA-RDP80-00473A000400030014-4

GENERAL DEFENSE INTELLIGENCE PROGRAM - CENTRAL INTELLIGENCE AGENCY

DIAOLS-SAFE

ISSUE STATEMENT: Will Congressional directives for DIA's DIAOLS follow-on and CIA's SAFE be met?

DISCUSSION:

The Congressional Conference letter on the FY 77 NFIP appropriation adopted the HAC directive that DIA and CIA develop comparable analyst information systems with the maximum possible commonality. (Both HAC and Conference letters identified the DIA system as DIAOLS. In fact, the directive applies to the Advanced Defense Intelligence Support System (ADISS), which will replace DIAOLS.)

ADISS and SAFE project staffs met on 12 October to start preliminary review of similarities between the two systems. A second meeting is scheduled for 3 November, at which time definitive coverage of actions will be established.

System specifications and design for ADISS should be complete during April-June 1977; for SAFE during July-September 1977. Based on this schedule, a joint DIA-CIA position on common user requirements could be completed by 1 July 1977; common hardware, software and tele-communications requirements could be identified by 1 September 1977.

OASD(I) and the IC Staff believe that ~~more concerted~~ continued effort by both DIA and CIA in coming to grips with this problem will be needed to produce positive results soon enough to satisfy the HAC. They have agreed to first-round PBD cuts for DIA's ADISS based on the assumption that savings will be realized through joint ADISS-SAFE development coordination. They believe that both DIA and CIA should be directed to continue and accelerate coordination process so as to be in a position to demonstrate positive progress and identify savings during FY 78 Congressional reviews.

OMB believes all FY 78 funds for ADISS and SAFE should be deleted. Funding decisions for FY 79 and beyond should be made following review of completed plans specifying common user requirements, and common requirements for hardware, software and telecommunications.

DIA believes that positive action has been initiated with CIA to comply with the Congressional directive and considers the matter of utmost concern. The Director has formally designated VADM Inman to work with CIA on the matter. Further, DIA emphasizes that the Congressional directive will be complied with in sufficient time for Congressional justification. DIA recommends approval of the budget estimate level for ADISS.

CIA believes that it and DIA have been responsive to the Congressional directive by initiating a continuing dialogue for the exchange of information and coordination. These actions will produce savings in the long term if such savings are feasible. CIA emphasizes that until ADISS is defined by DIA, it will be impossible to establish areas of commonality and determine which parts of ADISS can benefit from the work which has been accomplished on SAFE. It is confident, however, that when the budget goes to Congress it will be possible to demonstrate that DIA and CIA are effectively working together to meet the Congressional directive. CIA emphasizes also that the SAFE project was approved by both OMB and Congress for FY 1977 as a five-year developmental effort and that work is already well underway.

STATINTL

DD/A Registry

DD/A Registry

File _OYM 2-2_

26 November 1976

MEMORANDUM FOR: Deputy Director of Central Intelligence

FROM   : Paul V. Walsh
                Acting Deputy Director for Intelligence

SUBJECT   : ADISS/SAFE Coordination

STATINTL

1. Sometime ago you passed along the feelings expressed at the CFI that CIA and DIA were dragging their feet in implementing the House injunction that they look into the feasibility of co-ordinating the SAFE and ADISS programs. Both Jack Blake and I expressed the view, at that time, that this was a bum rap and that we had, in fact, reacted quickly to the House injunction and were working within its spirit. In any event, you indicated you wished me to report periodically on this problem.

2. This memorandum and its attachment is the first of my periodic reports. The attachment is a status report from _____ the CIA member, and _____ the DIA member, of the working group which is to report to General Faurer and me. In my mind, it is quite satisfactory evidence that both agencies are taking the House message seriously and are making considerable progress in their deliberations.

STATINTL

STATINTL

STATINTL

PAUL V. WALSH

Attachment

Distribution:
  Original - Addressee w/att
        1 - DCI w/att
        1 - ER w/att
        1 - DDA w/att
        1 - D/CRS w/att
        1 - Director of Data Processing w/att
        1 - DDI File
        1 - DDI Chrono
        1 - ADDI Chrono

19 November 1976

MEMORANDUM FOR THE RECORD

SUBJECT: ADISS/SAFE Coordination

1. BACKGROUND

Joint DIA/CIA meetings on the coordination of the DIA ADISS and CIA SAFE Projects were held on 8-12 November. These meetings were attended by technical representatives from both Agencies to identify similarities and differences in the two projects. The five days of technical meetings concentrated on the technical aspects of the two systems. A meeting was convened on 16 and 19 November to review the results of the technical discussions and to address conceptual and functional aspects of the systems.

2. DISCUSSION

a. Conceptual and Functional Comparisons

(1) The SAFE and ADISS projects are conceptually and functionally similar in that both projects are aimed at supporting intelligence analytical personnel in the performance of their daily functions. The intelligence analytical user constituency for both systems is similar in terms of numbers of analysts served but differ in requirements for concurrent use. The technical characteristics of major elements of supporting equipment for each system will be similar. The methodology being considered by each project to service users through remote terminal devices is conceptually different. DIA's ADISS Project will include terminal support centers and a limited number of terminal facilities in the user environment. The CIA SAFE Project will not use the terminal support center concept but will provide users with individual terminal access facilities in the user environment. The combination of the large number of concurrent users and their physical location in SAFE dictates a high-speed localized communication system while the ADISS combination permits the conventional digital communications networks. These differences in the terminal support area are a result of the processing environment discussed below.

(2) Major differences between the two projects have also been identified in the area of input processing, file building, retrieval and output. The CIA SAFE Project is primarily aimed toward the processing of document-type information. The data base will be composed of textual information and human/machine developed indices to this document base. The DIA ADISS Project is aimed toward the development of a large structured data base. The basic input to the ADISS system results from analytical review of all source intelligence and the abstraction of pertinent facts by the analyst into formatted file structures. The DIA ADISS Data Base will consist of DOD positions on various intelligence problems as well as unevaluated analyst work files. The CIA SAFE Data Base will primarily consist of central and analyst document files to be used by CIA Analysts in producing their ultimate intelligence product.

b. While there are of necessity significant differences in the systems configurations and functions, areas identified as potentially yielding significant savings through joint procurements or developments are as follows:

1. Processors and unit record peripherals.
2. Storage devices and controllers.
3. Terminals
4. Text Search hardware/software.
5. Data Base Management System
6. Terminal support software.

c. The following plan and schedule of events is being followed by DIA/CIA coordinating officers:

EVENT	COMP.DATE
1. Conduct a comparison of the ADISS and SAFE projects from a conceptual and functional point of view.	26 Nov.
2. Identify potential areas for joint development/procurement.	3 Dec.
3. Review project development schedules to assess the impact in each area of potential development.	10 Dec.
4. Estimated potential cost savings in each fiscal year which may accrue through joint development.	17 Dec.

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The Deputy Director
Central Intelligence Agency

DD/A Registry
File *0 † M 2 - 2*

Executive Registry
76 - 10131/5 A

DD/A Registry
76 - 5672

Washington, D.C. 20505

11 NOV 1976

MEMORANDUM FOR: Director, Defense Intelligence Agency

SUBJECT   :   Coordination of the Development of
                     the DIA ADISS and CIA SAFE Systems

REFERENCE   :   Your Memorandum dated 20 October 1976,
                     U-2630/RSO-1B

    1.   In response to your memorandum concerning the
SAFE/DIAOLS programs, we agree that every effort should
be made to promote the success of these systems and any
economies or other advantages closer cooperation might
create.

    2.   As you know, [   ] will be studying   STATINTL
these programs for CIA to attempt to identify any areas of
commonality between the systems.   I have asked my Associate
Deputy Director for Intelligence, Mr. Paul V. Walsh, to
oversee the CIA program and to work with Admiral Inman in
these programs.   I understand Paul already has been in touch
with Bobby.

    3.   I believe that our two Agencies should report any
significant changes in the development of these programs to
the DCI and the Intelligence Community Staff so as to serve
their requirement for reporting to the CFI and congressional
elements on these matters.

/s/ E. H. Knoche

E. H. Knoche

SUBJECT: Coordination of the Development of
          the DIA ADISS and CIA SAFE Systems

CONCUR:

_____   _____
Associate Deputy Director for Intelligence   Date
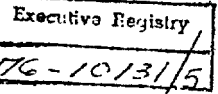

Distribution:
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        1 - DCI
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        1 - IC Staff
        1 - D/CRS
        2 - DDI

STATINTL   O/DDI/[   ]/kss/[   ] (8 Nov 76)
STATOTHR

DEFENSE INTELLIGENCE AGENCY
WASHINGTON, D.C. 20301

20 OCT 1976   527 6

U-2630/RSO-1B

MEMORANDUM FOR THE DIRECTOR OF CENTRAL INTELLIGENCE

SUBJECT: Coordination of the Development of the DIA ADISS and
CIA SAFE Systems

1.   As you are aware, the Congressional Conference Report on the
FY 1977 Defense Appropriations Bill approved fiscal support for the
DIA "Advanced Intelligence Support System" (ADISS) (referred to in
the report as DIAOLS) and the CIA "Support for the Analysts File
Environment" (SAFE) projects with the proviso that the DIA and the
CIA will develop comparable analyst information systems with the
maximum possible commonality.

2.   Our ADISS/SAFE project staffs met on 12 October for an explora-
tory meeting on this subject. Subsequent meetings are planned.

3.   While our technical staffs proceed, I feel it essential that an
aggressive and thorough effort be made to focus top level management
attention on this joint venture. To insure we do our part in coming
to grips with this issue, I have designated Vice Admiral Bobby B. Inman
to keep close watch over progress in this area. I would recommend that
you appoint a counterpart with whom he can work on this matter.

4.   Although these actions may require formalization in the future,
the efforts outlined above should assist us in rapidly coming to
grips with this important issue. This joint venture should also
permit us to optimize the benefits from both projects, at least cost,
and comply with the intent of the congressional guidance provided.

Samuel V. Wilson
Lieutenant General, USA
Director

DD/A Registry
File 0+M 2-2

DD/A Registry
76. 6337

ODP 2530-76

2 0 DEC 1976

MEMORANDUM FOR: Deputy Director for Science and Technology

FROM   : Clifford D. May, Jr.
                   Director of Data Processing

SUBJECT   : Project SAFE

Les:

    I appreciate your taking time from a busy schedule
to share your concerns regarding SAFE with [   ] and me.   STATINTL
We share some of your concerns but we believe that we can
resolve many of the questions early in the project life prior
to making any heavy financial commitments.

    As discussed in our meeting, we have given some additional
thought about how the SAFE Project can better capitalize on
Agency experience. Presently, our Project team includes
personnel experienced in successful large-scale system develop-
ment, both in-house and from industry. In addition, some of
our ODP careerists are completing their rotational assignments
with OD&E software development projects and are being scheduled
into the SAFE Project. However, thus far we have not really
looked outside of our own career service for such experienced
personnel. If you have any DDS&T personnel with experience
in this area who might be coming off of a project, perhaps
we could review their files and discuss how they might be
assigned to the SAFE Project.

    An additional area where senior Agency expertise might
contribute to the success of the SAFE Project is in the make-
up of the Technical Advisory Panel. We plan to form this panel
early next year to review and advise us on requirements, plans
and designs. While it was originally planned that this panel
be comprised of outside experts, I see no reason why senior
non-ODP Agency personnel should not also serve on the Panel.
We would be pleased if you could suggest any senior Agency
personnel who might be candidates for this Panel.

    We plan to establish a number of in-house design review
boards to review and advise on subsystem design and develop-
ment. There will be a need for a wide range of Agency exper-
    to participate in these boards. We are working on the

project management plan now and we will soon need to identify the composition and charters of these review boards. It would be helpful if you could identify a DDS&T point of contact that we could work with in arranging for DDS&T participation on these boards.

Again – thank you for taking time to discuss the Project with us. I believe the above suggestions should result in full utilization of available Agency expertise on the SAFE Project. If you have any other suggestions, I would be pleased to discuss them with you. We will arrange to distribute to you copies of the DDCI Quarterly Report on SAFE so you will have current knowledge of Project activity and the opportunity to suggest other actions as the Project proceeds.

/S/

Clifford D. May, Jr.

cc: DDA
    DDI
    D/OCR
    C/SPS/ODP

DD/A Registry

77-0321

1 1 JAN 1977

MEMORANDUM FOR THE RECORD

DD/A Registry
File 04 M 2-2

SUBJECT : DDA Briefing on Project SAFE Site Alternatives

REFERENCE: Memo dtd 29 Dec 76 to C/RECD/OL fm OL Project SAFE Coordinator, Subj: Facilities Requirements for Project SAFE

1. The Deputy Director for Administration (DDA) was briefed on Project SAFE site alternatives on 4 January 1977. Attending were:

   a. Mr. John Blake, DDA

   b. Mr. Michael Malanick, A/DDA

   c. Mr. Clifford May, D/ODP

STATINTL   d. [   ] D/SAS/ODP

   e. Mr. James McDonald, D/L

STATINTL   f. [   ] C/RECD/OL

   g. C/ADS/LSD/OL

   h. OL Project SAFE Coordinator

2. The rationale used to select 13 potential site locations in the northeast quadrant of the Headquarters Building on either the ground or first floors was discussed. A detailed explanation of this selection process is contained in the referent memorandum attached herewith without its attachments.

3. Briefly summarizing:

   a. Six of the 13 site alternatives were presented and represent the major choices for final site selection.

   b. RECD is recommending a phased construction of two increments of approximately 10,000 sq. ft. each, ex-

OL 7 0219

SUBJECT: DDA Briefing on Project SAFE Site Alternatives

cluding separate site preparations for the 60 and 415 Hz
UPS systems,totalling an additional 3,000 sq. ft. The
phased construction plan provides for the anticipated
first-year facility and utilities requirements, allows
for the possibility of a decentralized system (i.e., mini-
computers distributed throughout user's areas which would
require a smaller computer center) and permits completion
of system engineering to better define actual requirements.
The initial phase of construction is required by July 1978
(UPS completion on or before October 1978). This require-
ment necessitates approximately 15,000 sq. ft. of
Headquarters space to be identified and vacated by 1 January
1978 to permit a normal 6 months of construction to commence.

     c. RECD has planned that the data grid (signal wire
system connecting the computer center to the user computer
terminal areas) will be designed by a systems engineering
house. Separate Agency contracts will cover installation,
design, and construction. (This course of action is
recommended to implement this new dedicated data grid
because ongoing communication system development has not
progressed to the point necessary to define the system.
In addition, the exact number and sequence of user areas
in the Headquarters Building and other Agency buildings
throughout the Washington Metropolitan area are not yet
defined. Only $200,000 was included in the original SAFE
estimate.)

     d. RECD is recommending against installation of
additional regional supplementary chillers in favor of
the use of the installed redundant capacity at the Powerplant
backed up with the major diesel generators.

     e. RECD is completing an engineering study which
supports the installation of the third 2500 kW generator
rather than installation of a complex loadshedding system
to provide emergency electrical power for the Project SAFE
load.

     f. C/RECD has been assured by Mr. James Stewart,
Chief, Construction Management Division, GSA, that the
July 1978 deadline will be met providing that space and
construction funding is available. Special contracting
procedures citing public exigency may be necessary to

2

SUBJECT: DDA Briefing on Project SAFE Site Alternatives

authorize a negotiated contract in order to meet the dead-
line. RECD believes such a public exigency statement, if
required, can be prepared and legally defended. (A work
authorization for A&E services has been forwarded to GSA
for the design of the computer center and UPS sites on
30 December 1976.)

g. The original split of Project SAFE facilities
funds (i.e. $1,000,000 FY 77 and $2,500,000 FY 78) may
be insufficient in FY 77 depending upon the timing of the
GSA construction contract award process. Normally, GSA
requires the entire funding up front before the selection
and award process starts. The $500,000 - $700,000 required
when added to the $200,000 for the design and the required
equipment purchase sequence of $400,000 for the third 2500
kW generator, and $400,000 for 60 and 415 Hz UPS systems
exceed the available $1,000,000 until 1 October 1977 (FY 78).
RECD will endeavor to have GSA make an exception so that total
funds will not be required until the actual contract is
awarded or the fiscal year whichever comes first. The
alternate course of action would be to defer the purchase
of the 2500 kW generator ($400,000) until FY 78.

STATINTL

h. Project [   ] requiring approximately 3,000 sq. ft.
of specialized microform production, storage, and retrieval
systems, will be an individually contracted and separately
funded project.

4. The DDA emphatically stated that excavating new basement space
under the existing ground floor slab is not an acceptable solution for
providing space for Project SAFE utilities requirements. Consequently,
RECD is only investigating existing space, on-grade, on the ground
floor. (It should be noted that both HEB and ADS are maintaining very
low profiles in candidate areas until a final determination is made!!).

STATINTL

5. [   ] expressed his concern as to the extent which
Project SAFE funding will be used for secondary renovations. Direct
funding will be used to prepare the approximate 20,000 sq. ft. facility
and supporting utilities. Similarly, it is assumed that non-SAFE funding
will be used to acquire and prepare any new space outside the Headquarters
Building. The funding for the intermediate secondary move sequence within
the Headquarters Building necessary to vacate the selected area and the
possibly extensive renovations for the [   ] plus analyst-user stations   STATINTL

SUBJECT: DDA Briefing on Project SAFE Site Alternatives

are in question. These costs may divert significant financial resources
which are necessary to implement the basic system.   (NOTE: (1) C/ADS/LSD/OL
is reviewing Project GEMINI to determine whether authorized funding may be
used to provide these secondary renovations. This funding aspect will be
addressed in the near future; and (2) it should be noted that insufficient
information is available to define facilities requirements within the SAFE
user terminal areas to determine an estimated construction cost. No funding
was included in the original forecast for user areas renovations.)

     6. RECD and ADS/LSD are prepared to repeat this Project SAFE facilities
and site selection briefing as required to the Executive Advisory Group
panel, the D/OCR/DDI, and/or others.

STATINTL

OL Project SAFE Coordinator

29 DEC 1976

MEMORANDUM FOR: Chief, Real Estate and Construction Division, OL

STATINTL FROM   : _____

OL Project SAFE Coordinator

VIA   : Chief, Headquarters Engineering Branch, RECD/OL

SUBJECT   : Facilities Requirements for Project SAFE

STATINTL

1. Included in the Congressional approval of the Agency's FY 77 budget was a funding sequence for Project SAFE, which includes [_____]
STATINTL in FY 77 and [_____] in FY 78 for facilities-related projects. Thus, on 1 October 1976 the project clock started with a program requirement for the initial phase of the computer center to be available by July 1978. This report attempts to address the many variables which will affect the Office of Logistics' (OL) ability to meet the various dates for facilities required to support this new computer center. This report presumes that the prospectus question, currently being discussed between the General Services Administration (GSA) and this Agency, will not apply because the 2-year delay in seeking Congressional prospectus approval is totally unacceptable in meeting the goals of Project SAFE. In addition, while not yet determined, the question of this Agency's design authority for construction activities related to Agency-unique programs will simply be addressed in the action plan by inclusion of the 8- to 9-month Architect and Engineer (A&E) selection process normally required by GSA.

2. In selecting potential alternate SAFE sites, technical requirements have been given highest consideration. Additionally, because of the time constraints in achieving the SAFE goals, construction of new buildings or Headquarters Building additions have been considered as impractical. Thus, existing space within the Headquarters Building is considered the most practical solution for location of SAFE facilities. As both A Vault and the newly-expanded B Vault will not have sufficient electrical capacity to support any new major program beyond the ongoing Office of Data Processing (ODP) expansion program, potential location on the south side of the building is not possible. The relative location of the majority of DDI analysts tend to suggest and support the aforementioned utilities dictation of a north side location. Additionally, the potential hazards of major common disaster, such as fire, flooding due to broken pipes, or intentional sabotage, would further support the separation of this Agency's major computer facilities.

OL 6 6305

SUBJECT: Facilities Requirements for Project SAFE

3. Due to floor slab to ceiling slab height considerations required for a raised floor process cooling plenum and suspended ceiling, floors 2 through 7 were dropped from further consideration. Further, the narrow aspect of the width of space on floors 2 through 7 tend to make a given amount of space on these floors longer. This presents technical problems in computer signal processing due to excessive connecting cable lengths. Thus, by process of elimination, it is the ground and first floors of the Headquarters Building on the north side that are being considered.

4. Particular location within these areas is determined again upon electrical power availability, i.e., selection of either C or D Vaults from which to distribute power to Project SAFE. Several years ago, in order to provide adequate power for growth in the northeast quadrant of the Headquarters Building, the Headquarters Engineering Branch (HEB)/RECD/OL contracted for the design for expansion of the C Vault to support a general office growth. Such a typical growth manifests itself in the gradual acceleration in the use of minicomputers, data terminals, and other machine additions within the general office and analytical areas. This design has been completed and the $700,000 for construction was included in the FY 77 RECD Budget. In general, the original forecast of Project SAFE expenditures presumed, at a minimum, availability of the majority of these funds to provide an electrical distribution function to power SAFE equipment. In considering the choice between C and D Vaults, time considerations clearly support the use of C Vault. The C Vault expansion design, which was based on a general office distribution network (that is to say many secondary circuits carrying light loads), will have to be modified to provide the relatively few, but major circuits, needed to support the heavy concentrated loads of a major computer center. Redesign can be completed in approximately 2 months. An original design for D Vault would require an additional 4 to 6 months to complete. (Note: Should other considerations dictate a D Vault selection, C Vault would still have to be expanded to support the existing pattern of electrical load growth in that quadrant of the building requiring a duplicate construction effort costing approximately $700,000).

5. Thus, the potential SAFE site locations are in the northeast quadrant of the Headquarters Building on the ground and first floors. The major considerations for specific location within this area are relative closeness to the Transformer Vault C, relatively nearest to ground floor ongraded space to support the weight of the required 60 and 415 Hz Uninterruptible Power Supply (UPS) systems, availability of data grid risers, maintenance of existing major fire egress and circulation corridors, and the obvious necessity of maintaining fixed elevators, toilet facilities, and other existing specialized facilities.

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9.   For a project of this magnitude and complexity, it will be necessary to provide outside A&E design resources to meet project goals and avoid serious detriment to other ongoing Architectural Design Staff/LSD/OL or HEB projects. The initial GSA projection of a normal GSA-administered design cycle would have the construction contract being awarded in July - August 1978 (20 months). This is in direct conflict with the completion date required for the first phase of the SAFE center. The significant time in this GSA sequence is an 8-to 9-month period required to select an A&E firm through a totally open selection process. Subsequently, however, Mr. James Stewart, Chief, Construction Management Division, GSA, has indicated that GSA can meet the July 1978 goal proving space is available.

10.   Preliminary selection of various site locations have been made on the basis of yielding 20,000 to 25,000 sq. ft. These sites have been further refined with Project SAFE personnel by considering the geometry of the available areas as it will directly relate to the technical problems of cable length and equipment layout. The one-floor configuration has been described as the most desirable because it minimizes the problems of manpower staffing, operation, and difficulty of control within a remote area. Operational problems have occurred in the 1D-16 area, which is stacked over the GC-03 center and used in an unmanned mode during evening hours. Equipment failures have gone unnoticed and additional time is necessarily lost in the movement of operating or contract service personnel from GC-03 to 1D-16.

11.   The attached building layout drawings are annotated to define six major site variations which have been selected. It should be noted that the single floor schemes have various configurations to provide more or less space; however, these are not presented as they only complicate the basic presentation. No attempt has been made to differentiate the renovation cost difference between these alternatives. They all bear the general similarity of Agency office space, and, at this time, no gross renovation cost differences are apparent.

12.   The major utilities support required are similar to those provided in the ODP expansion. The inherent value of filtered, stable, and reliable power to the operation of complex computer equipment is alone worth the cost of installation of the 60 and 415 UPS systems. Emergency operation for the 15 minutes of the battery life is an additional benefit beyond the day-to-day stability of power. The relative needs and merits of providing a third 2500 kW generator as compared to providing a complex load-shedding network are part of an ongoing Real Estate and Construction Division (RECD)/OL review. At this point the cost of providing the third generator can be accurately forecast whereas the cost of an adequate load-shedding system can only be identified after completion of the ongoing engineering study. The dedicated electric power and data grids connecting the computer center and the potential STATINTL

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SAFE console users will gradually grow over the 5 years implementation plan to its maximum configuration. As a result, estimated costs tend to vary widely because of the lack of information. The need of a hardened security shell around the user areas has not yet been finalized; consequently, costs to be attributed to user office modifications are also considered too variable to attempt to identify. The worst case would be the need to entirely contain clustered SAFE users in a special purpose vault requiring alarms, fire sprinklers, and isolation from telephones. From the start, it has been recognized that SAFE will be a crisis management-type system and will require not only dedicated circuitry, but fully-available emergency backup electrical power.

PROJECT SAFE COST ESTIMATES   STATINTL

    a. Northside Computer Center
and service areas $75.00 per sq. ft.

    b. UPS Systems:

        60 Hz – 1500 kVA and ⎱   Hardware
        415 Hz – 300 kVA   ⎰   Installation

    c. Third 2500 kW Generator   Hardware

                            Installation

    d. Data Grid   200,000

    e. Dedicated Electric Power

        Distribution Grid   200,000

    f. User area renovations   Unknown

        NOTE: At this time the Project [ ]   STATINTL
production storage and retrieval systems have not been
defined as to their interrelationship with Project SAFE.
In general terms, approximately 3,000 sq. ft. of highly-
STATINTL specialized [ ] production, storage, and retrieval
facilities will be required. It is believed that Project
STATINTL [ ] been separately and distinctly funded in FY 78.

    13. RECD is recommending against installation of additional regional supplementary chillers, such as the Carriers and Dunham/Bush, in favor of the use

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of the installed redundant capacity at the Powerplant. Operated in this mode, the Powerplant chillers would be directly powered by the Powerplant emergency generators (two 2500 kW generators and two 2000 kW generators). The fundamental rationale behind this decision is the general inability of GSA to maintain these various regional chiller installations for instant readiness, and the resultant elimination of need for yet another major chiller facility to serve the backup requirements on the north side of the building. Such a 700 to 1000 ton chiller installation adjacent to the Headquarters Building would cost upwards of $1,000,000. Implementing this philosophy will require the completion of various connecting piping systems. In particular, it is necessary for GSA to fund and complete the installation of a redundant supply and return pipeline connecting the Powerhouse and the main building. This will avoid the obvious weak link of a single pipe failure, which would cause the entire building including special-use facilities to lose chilled water. In addition, alternate piping routes between the south and north sides of the building will have to be completed to permit isolation of local piping failures.

14. To summarize, the interdependencies of space acquisition variables and specific facilities forecasts have been pictorially presented on the attached bar graph. Certainly, some of these time estimates may be in error; however, it is considered a good overall prospective.

STATINTL   15. [   ] Chief, Special Projects Staff, ODP, has stated that this project is of major importance to the Agency and any significant deterioration of the July 1978 first phase completion would result in serious delay of the system development. Major target dates for systems contractors will center around availability of these Agency facilities for systems integration and validation testing. GSA has stated the July 1978 date can be met; however, based on the complexity and timing of this effort and recent GSA performance on several projects, it will be necessary to expend an inordinate amount of time coordinating with them to ensure timely completion.

16. The overall timing of some of the subutility packages may be somewhat more flexible than the initial 10,000 sq. ft. increment of computer center. On "Day 1" bulk available power must be available to the center, however, there is a margin of 2 to 3 months where the regulated and filtered power of a UPS system is not required. However, beyond this margin it is desirable to have reliable, stable power available in order to avoid physical damage to the initial equipment involved in systems development. Obviously, in this initial period total emergency power will not be required. Similarly, user system may start out with relatively few terminals being supported in the user areas or perhaps within the SAFE center itself. The supporting electrical power distribution and data grid will likewise be in its infancy. However, in the months that follow, it is envisioned that these facilities will be expanding

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in a relatively rapid fashion. The exact program of the 5-year system devel-
opment and implementation cycle mainly affects the modification of user/analyst
areas, the expansion of the dedicated electrical power distribution and development
and extension of new data grids.

17. In conclusion, the major variables which will affect completion of
this project are:

    a. The availability and timing of new space acquisition.

    b. The specific location of relocation space.

    c. Determination of Agency Components to be displaced.

18. It is recommended that prime consideration be given to a one-floor
computer center location and that the final location determination process
be initiated as soon as possible. Concurrently, a major effort should be
STATINTL initiated soonest to work with GSA to identify and secure at least 15,000 sq.
ft. (including UPS) for relocation and staging area in order that Project SAFE
may proceed in an orderly fashion. Maximum flexibility of the facility funding
of [   ] should be kept to provide sufficient contingency for the uncer-
tainty as to the overall cost of the system.

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DDA 77-0173

ODP #069-77

10 January 1977

MEMORANDUM FOR: Deputy Director of Central Intelligence

FROM   : H. C. Eisenbeiss
                 Director of Central Reference

                 Clifford D. May, Jr.
                 Director of Data Processing

VIA   : Comptroller
                 Deputy Director for Intelligence
                 Deputy Director for Administration

SUBJECT   : SAFE Quarterly Status Report

REFERENCE   : Your memo to the EAG on Action Items Arising
                 out of the 1978 Program Review, dated 10 Aug 76

     Attached is the first quarterly status report on Project SAFE as

requested in paragraph 9 of the referent.

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H. C. Eisenbeiss

STATINTL

Clifford D. May, Jr.

STATUS REPORT FOR PROJECT SAFE

For the Quarter Ending 31 December 1976

Background

The objective of Project SAFE is to provide sophisticated information handling support to the Agency's intelligence analysts by establishing a computer/terminal network that will give these analysts the electronic means to receive their "mail," to store what is valuable in personal and Agency files, to compare it with all the data already on record, and to compose, edit and distribute their conclusions as finished intelligence products. Testing of these SAFE concepts has been underway since 1972 and a pilot system (Interim SAFE) has been developed that demonstrates the value of an advanced information handling network to intelligence analysis. STATINTL

Project SAFE was authorized by Congress when funding ⬚ was approved for FY 1977. Prior to Congressional authorization, the Office of Central Reference (OCR) and the Office of Data Processing (ODP) had concentrated their efforts on operating the Interim SAFE system and defining users' functional requirements.

Full system development was initiated in FY 1977. OCR and ODP have developed a management plan for carrying out the Project and staffing of the ODP project team was re-initiated. Long-lead facilities planning is underway with the Office of Logistics.

Activities Underway During the Quarter

The joint OCR/ODP functional requirements document for SAFE was completed in early December 1976. This document is the base-line definition of the functions the system will perform for the user and will be distributed to interested industry representatives in early 1977.

OCR's Systems Analysis Staff completed the analysis of the user survey computer listings compiled by the Human Factors Research Corporation and the results will be distributed in January 1977. As expected, the statistical data were useful in projecting file sizes, determining user interest in the various functional capabilities and identifying user population distribution.

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Miscellaneous project work during the quarter included consultations with ORD on high-speed text search problems, mass storage devices, the prospects for holographic storage of documents, and the work done by ⬚ on bus communications schemes; reviewing and evaluating

STATINTL with [   ] the System Design Concepts Paper; issuing (on 30 November) a proposal request for developing the technical specifications for selected SAFE sub-systems; selecting industry and academic specialists to serve on the Technical Advisory Panel that will review the SAFE requirements paper in January/February 1977; meetings with OMS' Research Branch to obtain OMS human factor expertise in the areas of workstation design and user language formulation; and scheduled briefings with all major computer system vendors on their product lines.

Community Coordination

In response to Congressional directives that DIA and CIA develop comparable analyst information systems with maximum possible commonality, SAFE personnel meet with DIA/ADISS personnel on 12 and 20 October, 2 November, and 8-12 November. These meetings resulted in the identification of six areas of project activity that are potentially suitable for joint development and that offer good prospects for savings. A weekly meeting schedule was set for further consultations on these areas; these meetings were held during the first two weeks of December. The scheduled meetings were discontinued during the holiday season but are scheduled to resume again on 10 January 1977. Status reports on these meetings will be forwarded periodically to the ADDI and General Faurer at DIA. Both agencies are taking the Congressional directive seriously and are making progress in their deliberations. This effort, however, is having an impact on the time of senior ODP and OCR project personnel striving to meet other SAFE commitments.

Plans for the Second Quarter of FY 1977

Substantial contractual activity is planned during the second quarter of FY 1977 involving obligations of [   ] funds. The   STATINTL following table details these plans:

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Contractor	Amount	Purpose

Analysis of text search data from the current COLTS II package to determine use characteristics against such parameters as source, time of day, type of search, use of results, etc., to predict use of similar functions in SAFE and to provide data to guide design.

Analysis of record formats and file characteristcs to define possible file organization to minimize search and retrieval systems.

[   ] has been performing development STATINTL work in data bus technology for interconnecting computers in network configurations. This technology is very promising for use in the SAFE system, but certain questions regarding the control system algorithms and STATINTL system performance must be confirmed by actual test data. This contract would install a test bed [   ] and collect the necessary data to resolve these questions.

Design services would be furnished by a contractor to perform a number of tasks in the design of the SAFE system:

1. Preparation of specifications, plans and procedures for system development.

2. Trade-off analysis and design studies in system design and architecture.

3. Preparation of documentation.

These services would be performed on site at the Agency Headquarters Building, under tasking assignments to the contractor's principal investigator, and would require fast response by the contractor personnel.

Planned SAFE Expenditures for FY 1977 and FY 1978

	FY 77 (In 000s)	FY 78 (In 000s)
Design Services--Initial contract Extension		
Site Preparation--Engineering Contractor Long-lead components: Generator Non-interruptive Power Site Renovation		
Communications Design & Development Test Bed Construction & Test Follow-on Component Development		
Design Studies Work Station Design Data Analysis User Support Functions Unidentified		
Hardware Communications Terminal Processors & peripheral Storage		
Software Utility Software User terminal support, procurement storage, text search, and index search		
TOTALS		

Other activities planned for the second quarter include a scheduled industry briefing on SAFE to be held in the Agency auditorium in late February 1977; continued coordination meetings with DIA personnel to more clearly identify those areas of common development and procurement; meetings with the SAFE Technical Advisory Panel of industrial and academic specialists; work on the user language and work stations; and the allocation of system functions and processing requirements to various sub-systems that will lead to sizing data for hardware and basic software procurement actions planned in FY 1978. By March 1977 up to 12 people under the Design Services contract will be applied to system design and sizing tasks. Close and continuing contact will also be maintained with ORD to discuss mutual supportive programs.

Problems

The requirements for SAFE system performance are difficult to define as they involve a new analytical work environment in which work habits and processes will change. These changes, of necessity, will generate new analytical needs. This fact is accepted by both OCR and ODP. At the same time, this new environment will dictate periodic updatings of requirements. The challenge will be to hold initial SAFE requirements stable enough to allow implementation to proceed.

The uncertainities associated with SAFE funding beyond FY 1977 have made it impossible to define a system development plan with any degree of stability. Our basic planning now revolves around a [   ] STATINTL system unless ways are found to save costs as a result of DIA coordination. It must be kept in mind, however, that the [   ] is already a com-STATINTL promise from the [   ] initial estimate and that both estimates are based on FY 1974 dollars.

The following cost projection indicates the general areas of the application of funds based on the recent reduction [   ] in STATINTL funds for FY 1978.

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4 January 1977

SAFE MONTHLY STATUS REPORT FOR DECEMBER 1976

I. Summary of Activity During the Month:

a. SAFE Requirements - this document which establishes
a base line definition of Functional Requirements to be used
in planning the development of the SAFE System is completed
and is being routed for approval. Once approved it will be
placed under document control and may be changed only by
revision approvals of Chief, SPS/ODP and Chief, SAS/OCR.

b. Contracts - The final analysis report of the SAFE
Requirements Document and Preliminary Design Concept paper
STATINTL was presented [   ] Both documents were found
to be basically sound. Suggested revisions were included in
the Requirements Document.

Responses from prospective bidders of RFP477A are to be
submitted by 3 January 1977. This RFP is for the performance
of technical tasks associated with system sizing, sub-system
specifications, RFP preparation, etc.

c. DIA/CIA Coordination - Because of trips required of
DIA's ADISS Project personnel to review the selection process
for bidders of an ADISS RFP, nothing substantial resulted
from coordination meetings held this month. This RFP is for
development of ADISS requirements and system specifications.

d. Site Preparation - A meeting was held with Office
of Logistics Real Estate and Construction Division to invest-
igate possible sites for the SAFE computer facility. A scope
of work document has been submitted to GSA for selection of
Architectural and Engineering Contractors. $1 million have
been allocated in FY-77 for initial and long-lead facilities
required for preparation of the computer site.

e. Collateral Support - Representatives of Agency
components whose support is necessary for the development
of SAFE met for an updated status and plans report for the
SAFE Project.

II.   Planned Events:

    a.   Design Services RFP - the contractor will be selected
for the Design Services work.

    b.   DIA/CIA Coordination - Meetings with DIA's ADISS
personnel will be continued to identify specific cost savings
which can be effected by joint development efforts.

    c.   Vendors Briefing - Activity and procedural planning
is being developed for a briefing to introduce the SAFE System
background, requirements, plans, and design concept to industry
representatives. This briefing is tentatively planned for
Saturday, 26 February 1977.

III. Problems and Related Actions:

    The OMB reduction of $1.7 million in the planned FY-78
expenditure has been accommodated only in the general sense
of determining what elements might be deferred to FY-79.

    It is impossible to project savings as a result of the
DIA/CIA coordination at this time. This coordination effort
will continue with the objective of savings on the two projects
jointly.

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D R A F T

DD/A Registry
77 - 0095

D.. Registry

File 0+M 2 -2

SUBJECT: Comments on the DDI's 17 December 1976 Draft
Memorandum to the DDCI on "SAFE"

A. We agree with undertaking the proposed review of the
SAFE Project at this time.

B. We have difficulty understanding the DDI statement
about having "some ill-defined responsibilities for
the program". SAFE is a DDI inspired undertaking
and the DDI is the leading element for Agency
support to this program. All other Agency entities
involved are only in a supportive role to the DDI
on this matter.

C. The 8 questions proposed for study in paragraph 3 are
both all encompassing and well stated.

D. We further agree with the proposal put forward by the
DDI in paragraph 4. We would expand that proposal as
follows:

1) Consider the DDO also as a member of the Steering
Group.

2) The Steering Group should be augmented by a
"Working Group" composed of one representative
each of the units on the Steering Group.
That Working Group will undertake a study of 7 of
the 8 questions. The 7 questions involved logically
fall into a pattern for consideration by members of
the Working Group. In certain cases an individual
officer of the Working Group should assume responsi-

bility to pursue the issue, using whatever

assistance he desires. In other cases, two

components will be directly involved and,

accordingly, two members of the Working Group

should work in concert on the matter. The

matrix of assignment would be appear as follows:

DDI	DDO	DDA	DDS&T	Comptroller
a.				
b.	b.			
				c.
				d.
e.		e.		
? f		f.	f.	
		h.	h.	

At such time as the 7 questions, i.e., studies, are completed

the Working Group will review to ensure compatibility of the

studies, and then formulate a recommendation to the Steering

Group. The Steering Group, upon receipt of the product of the

Working Group will acquaint themselves with the matter involved.

Following that, the Technical Advisory Panel will be reconvened

to review the proposal developed and will specifically

address itself to Question 8. Subsequent to that meeting, the

Steering Group will take its position to present it to the

Director, if appropriate.

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